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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/664,097	09/17/2003	David L. Jensen	03AB104/YOD ALBR:0124	3708
7590 03/25/2005 Alexander M. Gerasimow Allen-Bradley Company, LLC 1201 South Second Street Milwaukee, WI 53204-2496			EXAMINER VO, HIEN XUAN	
			ART UNIT 2863	PAPER NUMBER

DATE MAILED: 03/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/664,097	<b>Applicant(s)</b> JENSEN ET AL.	
	<b>Examiner</b> Hien X. Vo	<b>Art Unit</b> 2863	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 17 September 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☐ Claim(s) 1-31 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-9, 16-18 and 29-31 is/are rejected.
- 7) ☒ Claim(s) 10-15 and 19-28 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 17 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>09/17/03</u> . | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Information Disclosure Statement***

1. The information disclosure statement (IDS) submitted on 09/17/2003. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

### ***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-9, 16-18 rejected under 35 U.S.C. 102(e) as being anticipated by Griffin, Jr. et al. (U.S. Patent No. 6,675,071).

With respect to claim 1, Griffin, Jr. et al. disclose a power quality utility metering system having waveform capture including a processor unit coupleable to a voltage detection system (see e.g. Fig.3), wherein at least one of the voltage detection system and the processor unit is operable to convert a voltage detected by the voltage

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detection system into a digital signal (see e.g. col. 4, lines 42-49), the processor unit being operable to provide an output representative of an operational condition of the electrical system based on the digital signal and data stored in the processing unit (see e.g. col. 8, lines 48-65 and col. 9, lines 25-35).

With respect to claims 2-8, Griffin, Jr. et al. disclose the invention as claimed including the voltage detection system is operable to detect a plurality of voltages and provide a signal representative thereof to the processor unit (see e.g. col. 8, lines 35-47), the voltage detection system is electrically, optically, contact and non-contact coupled to the processor unit (see e.g. col. 8, lines 16-26), the data stored in the processing unit comprises a defined output representative of an operational condition for each possible combination of values for the digital signal (see e.g. Fig. 5A and col. 11, lines 30-67), at least one operational condition corresponds to a loss of electrical continuity between a plurality of components of the electrical system (see e.g. col. 15, lines 27-37).

With respect to claims 9 and 16, Griffin, Jr. et al. disclose the invention as claimed including an electrical connector operable to connect an electrical device to an external source of power (see e.g. Fig. 1B); and a voltage verification system operable to detect voltage at a location upstream of the electrical connector and at a location downstream of the electrical connector and to provide a positive indication if a no-voltage condition is detected at least one of the location upstream of the electrical connector and the location downstream of the electrical connector (see e.g. col. 1, lines 34-59 and col. 2, lines 16-49), and an enclosure; an electrical device housed within the

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enclosure and electrically coupled to a power line through the enclosure (see e.g. Fig. 4).

With respect to claims 17-18, Griffin, Jr. et al. disclose the invention as claimed including the power line comprises a three-phase power bus (see e.g. Fig. 1A-1B), the electrical device comprises a motor controller electrically coupleable to the three-phase power bus to couple three-phase power to an electric motor (see e.g. col. 5, lines 61-67).

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 29-31 rejected under 35 U.S.C. 102(e) as being anticipated by Holle et al. (U.S. 2004/0150384).

With respect to claims 29-31, Holle et al. disclose an electrical service disconnect having tamper detection including viewing a positive indication provided by a voltage verification system that no hazardous voltages are present within the electrical device; and opening an access into the interior of the electrical device after viewing the positive indication that no hazardous voltages are present within the device (see e.g. page 6, paragraphs 0060-0061, 0068), the positive indication represent that the system detected a voltage upstream of an isolation switch and detected no voltage downstream

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of the isolation switch (see e.g. page 13, paragraph 0141); entering the interior of the electrical device (see e.g. page 9, paragraphs 0092-0093).


6. Claims 10-15, 19-28 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hien X. Vo whose telephone number is (571) 272-2282. The examiner can normally be reached on M-F (8:00-5:30) First Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Barlow can be reached on (571) 272-2269. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Hien Vo  
03/16/05

  
John Barlow  
Supervisory Patent Examiner  
Technology Center 2800